Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

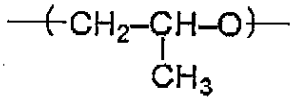
Listing of claims:

Claims 1-65 (canceled)

66. (previously presented) A solid polymer electrolyte comprising: (I) a crosslinked material of a polyether copolymer; (II) an electrolyte salt compound; and (III) a plasticizer which may be added if necessary and is selected from the group consisting of an aprotic organic solvent, a derivative or a metal salt of a linear or branched polyalkylene glycol, and a metal salt of said derivative,

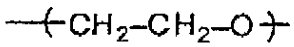
wherein the polyether copolymer having a weight-average molecular weight of 10^5 to 10^7, comprises as a main chain:

A) 3 to 30 % by mol of a repeating unit (I'), derived from propylene oxide;



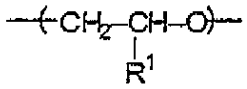
(I')

B) 96 to 69 % by mol of a repeating unit (II'), derived from ethylene oxide; and

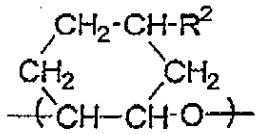


(II')

C) 0.01 to 15 % by mol of a repeating unit (III'-1) and/or(III'-2), derived from a crosslinkably reactive monomer;



(III'-1)



(III'-2)

wherein R^1 and R^2 are groups each having a reactive functional group.

67. (previously presented) The solid polymer electrolyte according to claim 66, wherein the reactive functional group in the repeating unit (C) is (a) an ethylenically unsaturated group, (b) a reactive silicon group, (c) an epoxy group or (d) a halogen atom.

68. (currently amended) The solid polymer electrolyte according to claim 67, wherein the monomer having the ethylenically unsaturated group which constitutes the repeating unit (C) is selected from the group consisting of allyl glycidyl ether, 4-vinylcyclohexyl glycidyl ether, ~~a-terpenyl~~ α-terpenyl glycidyl ether, cyclohexenyl methyl glycidyl ether, p-vinylbenzyl

glycidyl ether, allyl phenyl glycidyl ether, vinyl glycidyl ether, 3,4-epoxy-1-butene, 3,4-epoxy-1-pentene, 4,5-epoxy-2-pentene, 1,2-epoxy-5,9-cyclododecadiene, 3,4-epoxy-1-vinyl cyclohexene, 1,2-epoxy-5-cyclooctene, glycidyl acrylate, glycidyl methacrylate, glycidyl sorbate, glycidyl cinnamate, glycidyl crotonate and glycidyl-4-hexenoate.

69. (previously presented) The solid polymer electrolyte according to claim 67, wherein the monomer having the reactive silicon group which constitutes the repeating unit (C) is selected from the group consisting of 3-glycidoxy propyl trimethoxy silane, 3-glycidoxy propyl methyl dimethoxy silane, 4-(1,2-epoxy) butyl trimethoxy silane and 2-(3,4-epoxy cyclohexyl) ethyl trimethoxy silane.

70. (previously presented) The solid polymer electrolyte according to claim 67, wherein the monomer having two epoxy groups which constitutes the repeating unit (C) is 2,3-epoxypropyl-2',3'-epoxy-2'-methylpropyl ether or ethyleneglycol-2,3-epoxypropyl-2',3'-epoxy-2'-methylpropyl ether.

71. (previously presented) The solid polymer electrolyte according to claim 67, wherein the monomer having the halogen atom which constitutes the repeating unit (C) is selected from the group consisting of epichlorohydrin, epibromohydrin and epiiodohydrin.

72. (previously presented) The solid polymer electrolyte according to claim 67, wherein the polyether copolymer comprises: 5 to 25 % by mol of the repeating unit (A); 94 to 74 % by mol of the repeating unit (B); and 0.01 to 10 % by mol of the repeating unit (C).

73. (previously presented) The solid polymer electrolyte according to claim 66, wherein the electrolyte salt compound (II) is a compound composed of a cation selected from metal cation, ammonium ion, amidinium ion and guanidium ion, and an anion selected from chloride ion, bromide ion, iodide ion, perchlorate ion, thiocyanate ion, tetrafluoroborate ion, nitrate ion, AsF_6^-, PF_6^-, stearylsulfonate ion, octylsulfonate ion, dodecylbenzenesulfonate ion, naphthalenesufonate ion, dodecylnaphthalenesulfonate ion, 7,7,8,8-tetracyano-p-quinodimethane ion, $X^1SO_3^-$, $[(X^1SO_2)(X^2SO_2)N]^-$, $[(X^1SO_2)(X^2SO_2)(X^3SO_2)C]^-$ and $[(X^1SO_2)(X^2SO_2)YC]^-$ (wherein X^1, X^2, X^3 and Y respectively represent an electron attractive group).

74. (previously presented) The solid polymer electrolyte according to claim 73, wherein X^1, X^2 and X^3 independently represent a perfluoroalkyl group having 1 to 6 carbon atoms or a perfluoroaryl group having 6 to 20 carbon atoms, and Y represents a nitro group, a nitroso group, a carbonyl group, a carboxyl group or a cyano group.

75. (previously presented) The solid polymer electrolyte according to claim 73, wherein the metal cation is a cation of a metal selected from Li, Na, K, Rb, Cs, Mg, Ca, Ba, Mn, Fe, Co, Ni, Cu, Zn and Ag.

76. (previously presented) The solid polymer electrolyte according to claim 66, wherein the aprotic organic solvent is an aprotic organic solvent selected from ethers or esters.

77. (previously presented) The solid polymer electrolyte according to claim 66, wherein the polyalkylene glycol is polyethylene glycol or polypropylene glycol.

78. (previously presented) The solid polymer electrolyte according to claim 66, wherein the derivative of the polyalkylene glycol is an ether derivative or an ester derivative.

79. (previously presented) The solid polymer electrolyte according to claim 66, wherein the metal salt of the polyalkylene glycol is selected from the group consisting of a sodium salt of the polyalkylene glycol, a lithium salt of the polyalkylene glycol, and a dialkyl aluminum salt of the polyalkylene glycol.

80. (previously presented) A battery comprising:

a solid polymer electrolyte according to claim 66;

a positive electrode; and

a negative electrode.